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PATENT COOPERATION TREALY

From the INTERNATIONAL SEARCHING AUTHORITY							
То	:			PCT			
see form PCT/ISA/220			INTERNATIONAL	OPINION OF THE SEARCHING AUTHORITY Rule 43 <i>bis</i> .1)			
: :			Date of mailing (day/month/year) see form f	PCT/ISA/210 (second sheet)			
	olicant's or agent's file e form PCT/ISA/2		FOR FURTHER ACTIO	DN .			
	rnational application T/US2004/00316	;		ty date <i>(day/month/year)</i> 2.2003			
	rnational Patent Clas 7C2/64, C07C15	sification (IPC) or both national classificati #107	on and IPC				
	licant ELL OIL COMPA	ANY					
•							
1.	This opinion co	ontains indications relating to the fo	ollowing items:				
	Box No I	Basis of the opinion					
	☐ Box No II	Priority					
	Box No III	Non-establishment of opinion with re	gard to novelty inventive step.	and industrial applicability			
	☐ Box No IV	Lack of unity of invention	gard to noverty, inventive step	and industrial applicability			
	Box No V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability: citations and explanations supporting such statement						
	☐ Box No VI	Certain documents cited	-				
	☐ Box No VII	Certain defects in the international a	pplication				
	Box No VIII	Certain observations on the internati	onal application				
2.	FURTHER ACTI		, ,				
	If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notifed the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered.						
des ar unique management des articles and articles are a second articles are a second and articles are a second articles are a second and articles are a second articles a	If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.						
!	For further option	ns, see Form PCT/ISA/220.		ļ			
3.	For further details	s, see notes to Form PCT/ISA/220.					
Name	e and mailing addres	s of the ISA:	Authorized Officer				
	D-80298 M	Patent Office unich	Kleidernigg, O	Server Marie Prince Pri			
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US2004/003166

D. M. I. D. J. C.				
Box No. I Basis of the opinion				
With regard to the language , this opinion has been established on the basis of the international application in the language in which it was field, unless otherwise indicated under this item.				
This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).				
With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:				
a. type of material:				
☐ a sequence listing				
☐ table(s) related to the sequence listing				
b. format of material:				
☐ in written format				
☐ in computer readable form				
c. time of filing/furnishing:				
☐ contained in the international application as filed.				
filed together with the international application in computer readable form.				
☐ furnished subsequently to this Authority for the purposes of search.				
3. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.				
. Additional comments:				

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US2004/003166

_		. No. II	Dutanita	
_	80)	No. II	Priority	
1.	\boxtimes	The following document has not been furnished:		
		⊠	copy of the earlier application whose priority has been claimed (Rule 43bis.1 and 66.7(a)).	
			translation of the earlier application whose priority has been claimed (Rule 43bis.1 and 66.7(b)).	
		Consec neverth	quently it has not been possible to consider the validity of the priority claim. This opinion has neless been established on the assumption that the relevant date is the claimed priority date.	
2.		has be	pinion has been established as if no priority had been claimed due to the fact that the priority claim en found invalid (Rules 43 <i>bis</i> .1 and 64.1). Thus for the purposes of this opinion, the international ate indicated above is considered to be the relevant date.	
3.	Add	itional o	bservations if necessary:	

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US2004/003166

Bo ap	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability						
The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially applicable have not been examined in respect of:							
	the entire international application,						
\boxtimes	claims Nos. 22						
because:							
	the said international application, or the said claims Nos. relate to the following subject matter which does not require an international preliminary examination (specify):						
	the description, claims or drawings (indicate particular elements below) or said claims Nos. are so unclear that no meaningful opinion could be formed (specify):						
	the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinion could be formed.						
\boxtimes	no international search report has been established for the whole application or for said claims Nos. 22						
	the nucleotide and/or amino acid sequence listing does not comply with the standard provided for in Annex C of the Administrative Instructions in that:						
	the written form		has not been furnished				
			does not comply with the standard				
	the computer readable form		has not been furnished				
			does not comply with the standard				
	the tables related to the nucleotide and/or amino acid sequence listing, if in computer readable form only, do not comply with the technical requirements provided for in Annex C-bis of the Administrative Instructions.						
	See separate sheet for further details						

Box No. V Reasoned statement under Rule 43*bis*.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims

1-21

No:

Claims

Inventive step (IS)

Yes: Claims

No: Claims

1-21

Industrial applicability (IA)

Yes: Claims

1-21

No: Claims

2. Citations and explanations

see separate sheet

Re Item III.

No international preliminary examination is carried out for claim 22, because no ISR has been established claim 22 (Rule 66.1(e) PCT).

Re Item V.

D1: WO 02/44114 A (STEINBRENNER ULRICH; BASF AG (DE); KRACK GERHARD (DE); NARBESHUBER TH) 6 June 2002 (2002-06-06)

D2: US 3 492 364 A (JONES WILLIAM A ET AL) 27 January 1970 (1970-01-27)

The present application is directed to a method for the production of branched alkyl aromatic hydrocarbons, whereby the branched olefines used to alkylate aromatic hydrocarbons, are stemming from two sources namely from a dimerization and a isomerization unit.

D1 represents the closest prior art and differs from the matter of present claim 1 insofar, that the source of the branched olefines (cf. paragraphs c)-d) in claim 1) are alternatives, but not prerequisites, consequently claim 1 is novel.

The problem to be solved by the present invention may therefore be regarded as the provision of a further method for the production of branched alkyl aromatic hydrocarbons.

The solution proposed in claim 1 is, however, not regarded of involving an inventive step, because in D1 the different alternatives of branched olefin sources have already been disclosed. Moreover, to choose two instead of just one olefin source from know olefin sources cannot be regarded as being inventive.

Dependent claims 2-21 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of r inventive step (Article 33 (3) PCT).

Consequently the subject matter of claims 1-21 does not fulfil the criteria of Article 33(2) PCT.

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